



March 20, 2009

Ms. Kristine Matzko (3HS21)
USEPA Region III
1650 Arch Street
Philadelphia, PA 19103

**Re: Tyson Superfund Site
Semiannual Monitoring Report
Period July – December 2008**

Dear Ms. Matzko:

Ciba is pleased to submit the above referenced semiannual monitoring report for 2008.

The report contains the sample results for the monitoring of the Groundwater Treatment Plant (GWTP), the Schuylkill River, and the results of on-going operations and maintenance activities relating to the GWTP and the Wet Soil Cover (WSC) system.

Results of the latest semiannual monitoring confirm that the combined environmental engineering controls consisting of the Groundwater Treatment Plant (GWTP) and the Wet Soil Cover (WSC) are performing as designed and minimizing the risk of hazardous releases to the environment.

For the above monitoring period six of the six contaminants of concern were removed from the final discharge of treated groundwater to the Schuylkill River. The latest river sampling results continue to confirm that river locations adjacent to the Site remain free of major site-specific contaminants.

If you have questions or need additional information, please contact me at (732) 914-2517 or by fax at (732) 914-2909.

Sincerely,

A handwritten signature in black ink that reads "Dorren K. McNichols". The signature is fluid and cursive, with "Dorren" and "K." being more stylized and "McNichols" being more legible.

Dorren K. McNichols
Compliance Manager

c: Consent Decree List

SEMIANNUAL MONITORING REPORT
CIBA CORPORATION
UPPER MERION TOWNSHIP
MONTGOMERY COUNTY, PENNSYLVANIA

MONITORING PERIOD

July – December 2008

March 20, 2009

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SAMPLING & MONITORING SEMIANNUAL REPORT

Introduction

On March 23, 2005, Ciba Specialty Chemicals Corporation (Ciba) submitted a request for a modification to the quarterly monitoring program for the Tyson's Superfund Site located in Upper Merion Township, Montgomery County, Pennsylvania. The modification would reduce monitoring from quarterly to semiannual events.

The United States Environmental Protection Agency (EPA) and the Pennsylvania Department of Environmental Protection (PADEP), after completing a review of the request, approved the request. The semiannual monitoring program was initiated in January 2007, and EPA Test Method 8260/8270 is used to monitor a suite of chemicals with a focus on the following six compounds of concern:

1. 1,2,3-Trichloropropane
2. Xylenes
3. Aniline
4. Phenol
5. Methylene Chloride
6. Vinyl Chloride

Field Activities

Lancaster Laboratory personnel visited the Site on July 17, 2008, and collected samples from the Groundwater Treatment Plant (GWTP) influent and effluent. Samples were also collected at the four locations in the Schuylkill River (see Figure 4, p.7). Lancaster Laboratories, Commonwealth of Pennsylvania Lab Certification No. 36-037, performed the sample analyses and the certificates of analysis are attached. The sample results are summarized in Tables 1 and 2.

Discussion

Of the six compounds of concern monitored in the GWTP effluent, all were removed in the treated discharge to the Schuylkill River. The major contaminant at the Site, 1,2,3-Trichloropropane (TCP), was removed by the GAC treatment. The compound vinyl chloride is of interest since it can be found in the final discharge on an intermittent basis. Although it has been detected in 12 out of the last 34 sampling episodes, the MCL of 2 ppb for vinyl chloride has only been exceeded in 5 out of these 12 detects, the last occurring in October, 2002. At this time, the permit requirement is to monitor only in the final discharge. An approximate 7 year history for vinyl chloride in the treated effluent is plotted and shown in Figure 1.

**Ciba Corporation
Tyson Superfund Site
Semiannual Monitoring Program**

Groundwater Treatment Plant Influent

1,2,3-Trichloropropane History

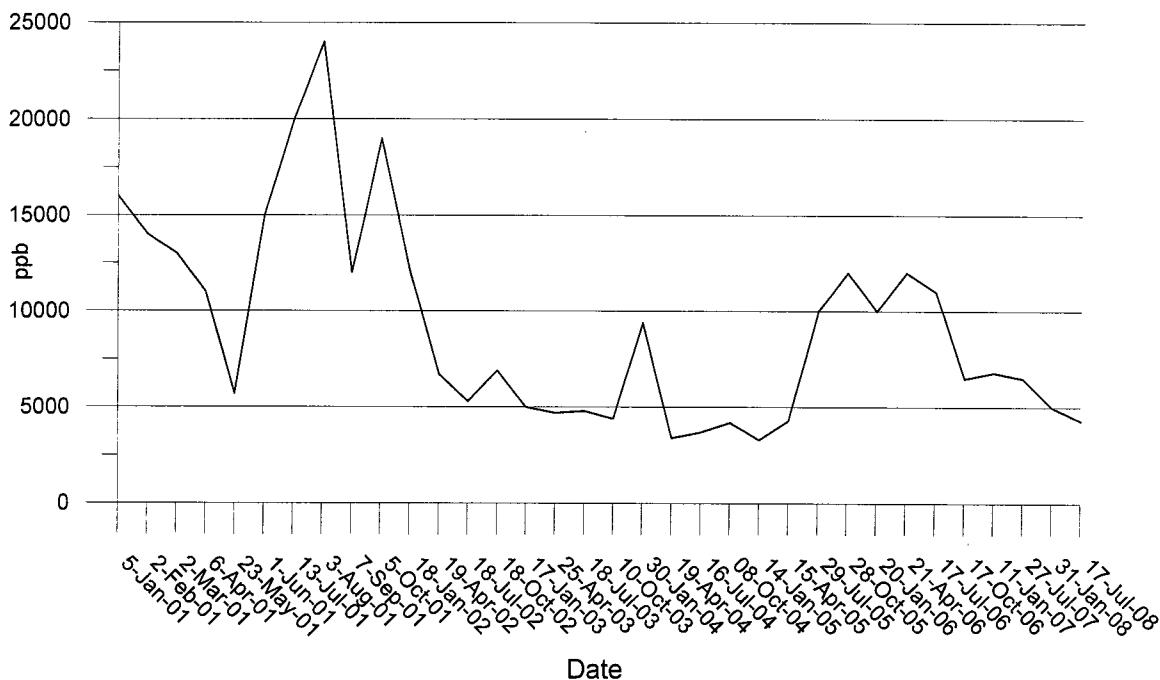


Figure 1. History of vinyl chloride monitored in the final discharge to the Schuylkill River

Table 1 summarizes the compounds of concern that are permit specific by PADEP¹, as well as, those compounds requested by the USEPA². Table 2 lists all compounds detected for the most recent sampling episode. The GWTP continues to perform as expected removing 99+ percent contamination from the groundwater before discharging to the Schuylkill River.

¹ Letter dated March 17, 1988, to Ms. Karlene Tierney, Manager Ciba-Geigy Corporation, from Gary Moulder, Project Officer, PADER

² Letter dated September 6, 2001, to Mr. Cohen, Compliance Manager Ciba Specialty Chemicals Corp., from Eugene Dennis, RPM, USEPA

For the current monitoring period the site-specific contaminant, TCP registered 4,300 ppb for the influent and non-detect after treatment/discharge for the effluent. An approximate 7 year history of TCP to the GWTP is plotted and shown in Figure 2. The TCP in the influent has been trending down and the effluent is consistently well below the permit limit of 600 ppb TCP for a 30 day average. In addition, the Schuylkill River continues to remain free of TCP.

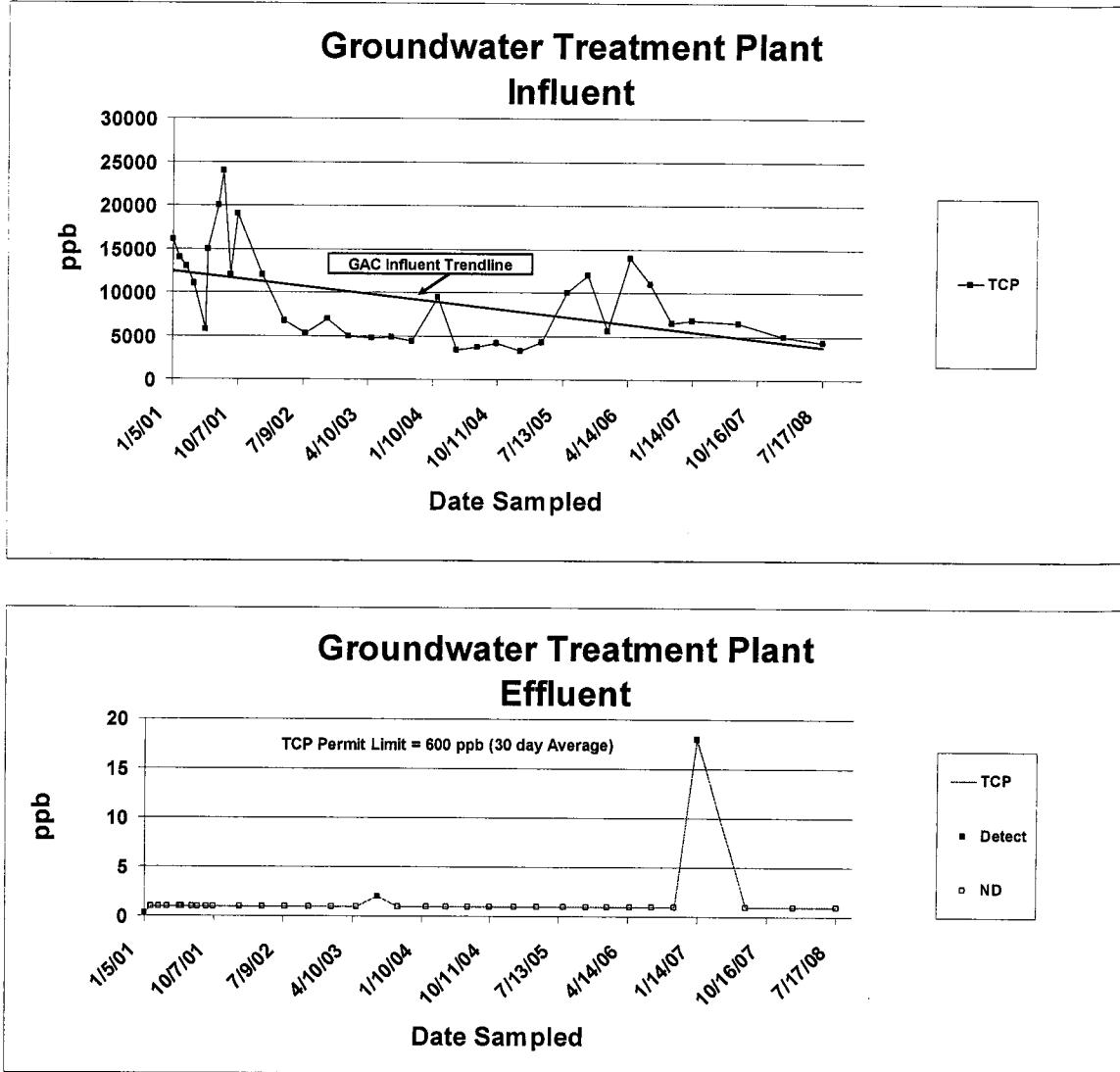


Figure 2. History of 1,2,3-Trichloropropane for the GWTP

Review of the Schuylkill River monitoring results from Table 2 shows some contamination present in the river that may be site-specific, however, these compounds are also found in the river sample upstream from the facility. None of these compounds were detected in the GWTP effluent sample. The non site-specific compounds present in the river sampling include chloroform, and trihalomethanes (THM), derivatives of chloroform. The THM source is unknown; however, the Federal MCL for Total THM is 80 ppb, well above the current river concentration.

Figure 3 shows the pounds per year of contaminants treated by the Groundwater Treatment Plant. For the current reporting period, July through December 2008, 1568 pounds of contaminants were treated.

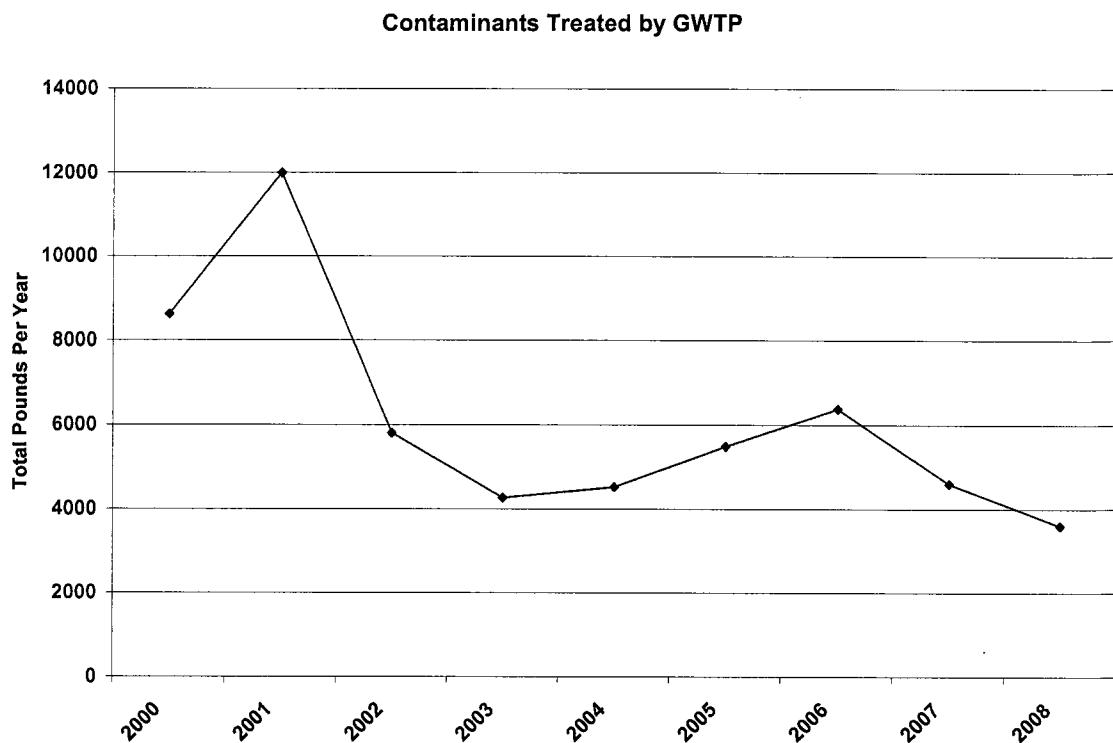


Figure 3. Pounds of Contaminants Removed by the GWTP

Conclusion

The results of the Site analyses demonstrate environmental engineering controls are performing as expected and minimizing the threat of hazardous releases to the environment. The hazardous contaminants identified by PADEP and the EPA were removed from the environment by the GWTP.

Ciba initiated semiannual sampling in January 2007. The results of samplings continue to confirm the removal of contaminants by the Site environmental controls.

The next semiannual sampling is scheduled for January 2009.

Table 1

Ciba Corporation
Tyson Superfund Site
Upper Merion Township, Montgomery County, Pennsylvania.

Semiannual Monitoring Program - Compounds of Concern
July - December 2008

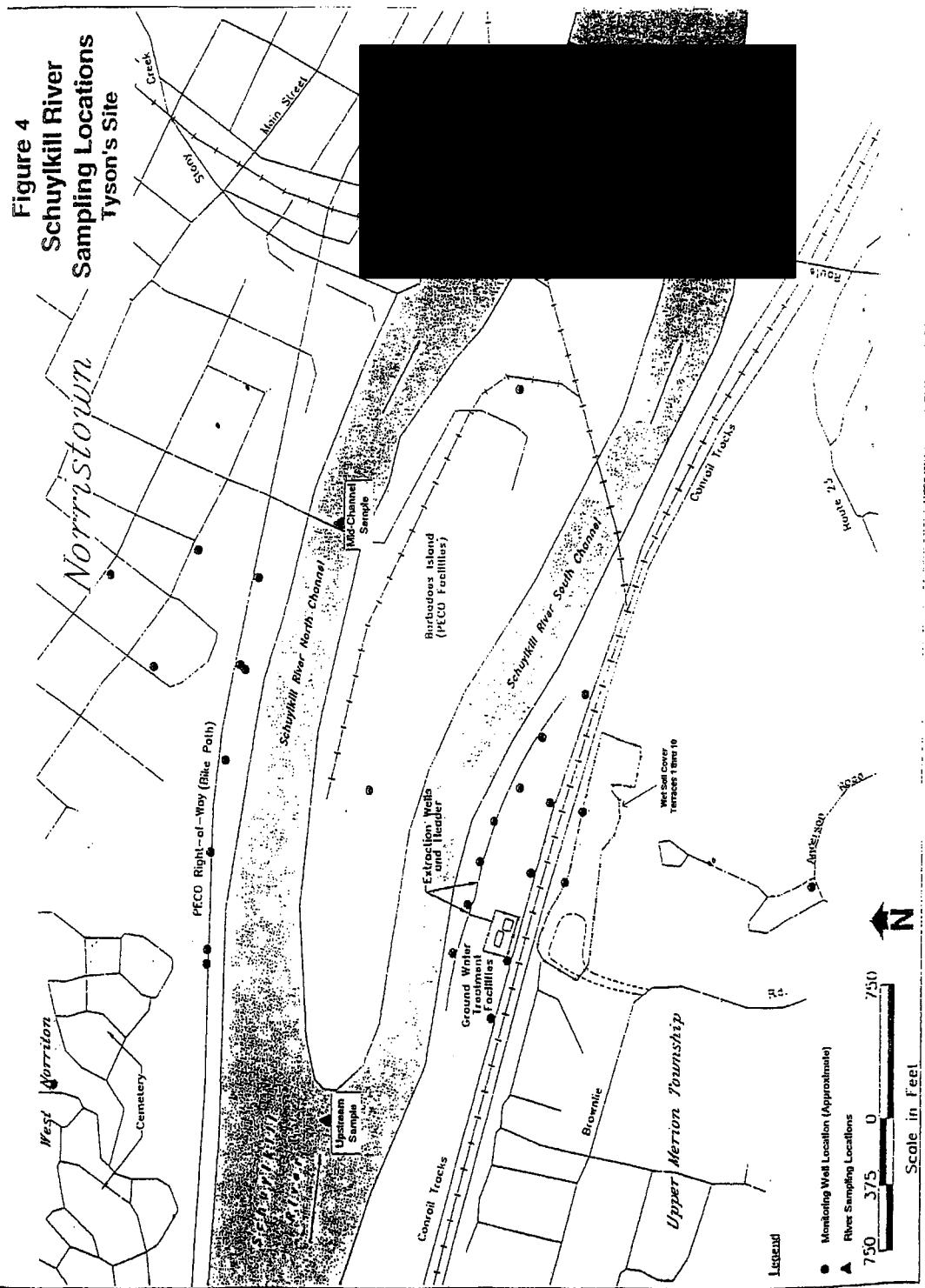
Sample Location	Sample Date	Constituent	Units	Value
GWTP Discharge	17-Jul-08	1,2,3-TRICHLOROPROPANE	µg/L	1U
GWTP Discharge	17-Jul-08	ANILINE	µg/L	1U
GWTP Discharge	17-Jul-08	METHYLENE CHLORIDE	µg/L	2U
GWTP Discharge	17-Jul-08	PHENOL	µg/L	1U
GWTP Discharge	17-Jul-08	VINYL CHLORIDE	µg/L	1U
GWTP Discharge	17-Jul-08	XYLENES, TOTAL	µg/L	0.8U
GWTP Influent	17-Jul-08	1,2,3-TRICHLOROPROPANE	µg/L	4300
GWTP Influent	17-Jul-08	METHYLENE CHLORIDE	µg/L	2U
GWTP Influent	17-Jul-08	VINYL CHLORIDE	µg/L	2
GWTP Influent	17-Jul-08	XYLENES, TOTAL	µg/L	370
River Channel	17-Jul-08	1,2,3-TRICHLOROPROPANE	µg/L	0.2U
River Channel	17-Jul-08	METHYLENE CHLORIDE	µg/L	0.3U
River Channel	17-Jul-08	VINYL CHLORIDE	µg/L	0.1U
River Channel	17-Jul-08	XYLENES, TOTAL	µg/L	0.4
River Crib	17-Jul-08	1,2,3-TRICHLOROPROPANE	µg/L	0.2U
River Crib	17-Jul-08	METHYLENE CHLORIDE	µg/L	0.3U
River Crib	17-Jul-08	VINYL CHLORIDE	µg/L	0.1U
River Crib	17-Jul-08	XYLENES, TOTAL	µg/L	0.3
River Flume	17-Jul-08	1,2,3-TRICHLOROPROPANE	µg/L	0.2U
River Flume	17-Jul-08	METHYLENE CHLORIDE	µg/L	0.3U
River Flume	17-Jul-08	VINYL CHLORIDE	µg/L	0.1U
River Flume	17-Jul-08	XYLENES, TOTAL	µg/L	0.2U
River Upstream	17-Jul-08	1,2,3-TRICHLOROPROPANE	µg/L	0.2U
River Upstream	17-Jul-08	METHYLENE CHLORIDE	µg/L	0.3U
River Upstream	17-Jul-08	VINYL CHLORIDE	µg/L	0.1U
River Upstream	17-Jul-08	XYLENES, TOTAL	µg/L	0.4

U - Non detect with the MDL stated

Table 2

Ciba Corporation
Tyson Superfund Site
Semiannual Monitoring Program
All Compounds Detected for July 17, 2008 Sampling Event

Sample Location	Constituent	Units	Value
GWTP Influent	1,1-DICHLOROETHANE	µg/L	3
GWTP Influent	1,2,3-TRICHLOROPROPANE	µg/L	4300
GWTP Influent	1,2-DICHLOROPROPANE	µg/L	2
GWTP Influent	1,2-TRANS-DICHLOROETHYLENE	µg/L	1
GWTP Influent	ACETONE	µg/L	7
GWTP Influent	BENZENE	µg/L	9
GWTP Influent	CHLOROBENZENE	µg/L	23
GWTP Influent	CHLOROFORM	µg/L	2
GWTP Influent	ETHYLBENZENE	µg/L	59
GWTP Influent	TETRACHLOROETHYLENE	µg/L	13
GWTP Influent	TOLUENE	µg/L	99
GWTP Influent	TRICHLOROETHYLENE	µg/L	30
GWTP Influent	VINYL CHLORIDE	µg/L	2
GWTP Influent	XYLENES,TOTAL	µg/L	370
River Channel	1,2,4-TRIMETHYLBENZENE	µg/L	0.2
River Channel	BENZENE	µg/L	0.1
River Channel	CHLOROFORM	µg/L	0.2
River Channel	O-XYLENE	µg/L	0.2
River Channel	TOLUENE	µg/L	0.5
River Channel	XYLENES,TOTAL	µg/L	0.4
River Crib	1,2,4-TRIMETHYLBENZENE	µg/L	0.1
River Crib	BENZENE	µg/L	0.1
River Crib	BROMOFORM	µg/L	0.2
River Crib	CHLORODIBROMOMETHANE	µg/L	1
River Crib	CHLOROFORM	µg/L	5.7
River Crib	DICHLOROBROMOMETHANE	µg/L	2.5
River Crib	O-XYLENE	µg/L	0.1
River Crib	TOLUENE	µg/L	0.5
River Crib	XYLENES,TOTAL	µg/L	0.3
River Flume	CHLOROFORM	µg/L	6.7
River Flume	DICHLOROBROMOMETHANE	µg/L	1.5
River Upstream	1,2,4-TRIMETHYLBENZENE	µg/L	0.1
River Upstream	BENZENE	µg/L	0.1
River Upstream	CHLOROFORM	µg/L	0.1
River Upstream	O-XYLENE	µg/L	0.2
River Upstream	TOLUENE	µg/L	0.5
River Upstream	XYLENES,TOTAL	µg/L	0.4



OPERATIONS AND MAINTENANCE SEMIANNUAL REPORT

Introduction

This report summarizes on-going operations and maintenance activities for the period of July 1, 2008 through December 31, 2008 relating to the Granulated Activated Carbon (GAC) groundwater treatment system and the Wet Soil Cover (WSC) system.

Summary

As per the approved O & M schedule, the WSC irrigation system was inspected, prepared, and put into the summer operational mode on May 7, 2008. The system remained in summer mode throughout October 2008. On November 3, 2008 the WSC irrigation system was blown out and winterized. The WSC system will be inspected, prepared, and put into the summer operational mode in April 2009.

The Granular Activated Carbon (GAC) system and associated treatment equipment including the seep springs continued to operate as planned.

Details of Activities

During the period (July 1, 2008 through December 31, 2008) the GAC system was on-line 4,239 hours, for a semi-annual on-stream efficiency of 96.0 %. The groundwater processed through the GAC system for the period was 35,933,850 gallons (average flow rate = 141.3 Gal/Min.)

During the period two 20,000-pound carbon changes were conducted. The spent carbon was manifested (001716031JK and 001716033JK) to Calgon Corporation's Big Sandy Plant, located in Catlettsburg, KY for regeneration on 7-15-08 and 11-04-08. Wells EW4, EW8 and EW10 were rehabilitated during the month of September, also during October the East and West header lines were Hydro-blasted to clean out build up inside lines. The East header electrical lines and terminal boxes were replaced from the building out to each well during the months of July and August.

Routine maintenance activities, which include landscaping, housekeeping, daily inspections of all plant process and WSC equipment, the East and West headers, extraction well pumps and extraction well valve boxes continued on the normal preventative maintenance schedule. Other minor maintenance tasks were completed as necessary.

Health and Safety

There were no OSHA recordable accidents or incidents during the period of July 2008 through December 2008. A total of 26 safety meetings were conducted during the period. Site safety inspections were conducted weekly and posted throughout the site.

Table 3
GAC PROCESS DATA

MONTH 2008	GALLONS PROCESSED	BACK FLUSH (Gallons)	WASTE GENERATED (Gallons)	ELEC. USED (KWHrs.)	ON STREAM EFFICIENCY	OPER. HRS.
July	4971850	81600	252	4.44	99.0%	737
August	5158700	72800	196	5.47	100%	744
September	5119400	83200	256	5.13	97.0%	700
October	5099700	67600	247	8.13	81.0%	600
November	6962500	86800	255	13.02	99.0%	714
December	8621700	130000	250	20.55	100%	744

APPENDIX A

LABORATORY ANALYTICAL

TEST DATA



ANALYTICAL RESULTS

Prepared for:

Ciba Specialty Chemicals Corp
Oak Ridge Parkway
Bldg 743
Toms River NJ 08753

732-914-2517

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1101117. Samples arrived at the laboratory on Thursday, July 17, 2008. The PO# for this group is T0001567/T0216301.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
GAC_EFF-071708 Grab Water	5417640
GAC_INF-071708 Grab Water	5417641
TB-01-071708 Water	5417642

1 COPY TO	Ciba Specialty Chemicals Corp	Attn: Fred Goelz
1 COPY TO	Ciba Specialty Chemicals Corp	Attn: Dorren McNichols
ELECTRONIC	Ciba Specialty Chemicals Corp	Attn: Laura McMahon
COPY TO		

Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Chad A. Moline
Group Leader



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Lancaster Laboratories Sample No. WW5417640

Group No. 1101117

GAC_EFF-071708 Grab Water

LIMS#

COC: 184105 GAC_EFF

Collected: 07/17/2008 11:05 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/24/2008 at 18:29

Oak Ridge Parkway

Discard: 08/08/2008

Bldg 743

Toms River NJ 08753

GAEFF

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Result	Method Detection Limit		
04678	TCL SW846 Semivolatiles/Waters					
00925	Aniline	62-53-3	N.D.	1.	ug/l	1
03871	4-Chloroaniline	106-47-8	N.D.	1.	ug/l	1
03879	Dibenzofuran	132-64-9	N.D.	1.	ug/l	1
03905	2-Methylnaphthalene	91-57-6	N.D.	1.	ug/l	1
03907	2-Nitroaniline	88-74-4	N.D.	1.	ug/l	1
03908	3-Nitroaniline	99-09-2	N.D.	1.	ug/l	1
03909	4-Nitroaniline	100-01-6	N.D.	1.	ug/l	1
03922	2,4,5-Trichlorophenol	95-95-4	N.D.	1.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	1.	ug/l	1
03925	Phenol	108-95-2	N.D.	1.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	1.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	3.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	1.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	1.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	1.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	19.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	10.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	3.	ug/l	1
03935	N-Nitrosodimethylamine	62-75-9	N.D.	2.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	1.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	1.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	1.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	1.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	1.	ug/l	1
03944	Isophorone	78-59-1	N.D.	1.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	1.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	1.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	1.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	5.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	2.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	1.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	2.	ug/l	1



Page 2 of 4

Lancaster Laboratories Sample No. WW5417640

Group No. 1101117

GAC_EFF-071708 Grab Water

LIMS#

COC: 184105 GAC_EFF

Collected: 07/17/2008 11:05 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/24/2008 at 18:29

Oak Ridge Parkway

Discard: 08/08/2008

Bldg 743

GAEFF

Toms River NJ 08753

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
03953	2,6-Dinitrotoluene	606-20-2	N.D.	1.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	1.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	1.	ug/l	1
03956	Fluorene	86-73-7	N.D.	1.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	2.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	2.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	1.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	2.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	1.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	1.	ug/l	1
03963	Phenanthrone	85-01-8	N.D.	1.	ug/l	1
03964	Anthracene	120-12-7	N.D.	1.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	2.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	1.	ug/l	1
03967	Pyrene	129-00-0	N.D.	1.	ug/l	1
03968	Benzidine	92-87-5	N.D.	19.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	2.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	1.	ug/l	1
03971	Chrysene	218-01-9	N.D.	1.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	2.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	2.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	2.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	1.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	1.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	1.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	1.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	1.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	1.	ug/l	1
04680	2-Methylphenol	95-48-7	N.D.	1.	ug/l	1
04682	4-Methylphenol	106-44-5	N.D.	2.	ug/l	1
3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
04712	Benzyl alcohol	100-51-6	N.D.	5.	ug/l	1
04713	Benzoic acid	65-85-0	N.D.	6.	ug/l	1
06291	TCL by 8260 (water)					
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1



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Lancaster Laboratories Sample No. WW5417640

Group No. 1101117

GAC_EFF-071708 Grab Water

LIMS#

COC: 184105 GAC_EFF

Collected: 07/17/2008 11:05 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/24/2008 at 18:29

Oak Ridge Parkway

Discard: 08/08/2008

Bldg 743

Toms River NJ 08753

GAEFF

CAT No.	Analysis Name	CAS Number	As Received		Dilution Factor
			Result	Method Detection Limit	
05387	Bromomethane	74-83-9	N.D.	1.	ug/l 1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l 1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l 1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l 1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l 1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l 1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l 1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l 1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l 1
05401	Benzene	71-43-2	N.D.	0.5	ug/l 1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l 1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l 1
05404	1,2-Dichloroproppane	78-87-5	N.D.	1.	ug/l 1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l 1
05407	Toluene	108-88-3	N.D.	0.7	ug/l 1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l 1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l 1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l 1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l 1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l 1
05418	Styrene	100-42-5	N.D.	1.	ug/l 1
05419	Bromoform	75-25-2	N.D.	1.	ug/l 1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l 1
06302	Acetone	67-64-1	N.D.	6.	ug/l 1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l 1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l 1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l 1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l 1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l 1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l 1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l 1
06371	8260 Special Cmpds for Waters				
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l 1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l 1
05664	1,2,3-Trichloropropane	96-18-4	N.D.	1.	ug/l 1



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Lancaster Laboratories Sample No. WW5417640

Group No. 1101117

GAC_EFF-071708 Grab Water

LIMS#

COC: 184105 GAC_EFF

Collected: 07/17/2008 11:05 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp
Oak Ridge Parkway
Bldg 743
Toms River NJ 08753

Reported: 07/24/2008 at 18:29

Discard: 08/08/2008

GAEFF

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Method	Result		

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/09
 The temperature at the time of collection was 17 C, the pH was 7.09,
 the specific conductance was 534 uhmos/cm.
 This sample was collected following the protocol specified by each method
 listed in the laboratory chronicle.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
04678	TCL SW846	SW-846 8270C	1	07/22/2008 00:23	Gregory J Drahovsky	1
06291	Semivolatiles/Waters					
06371	TCL by 8260 (water)	SW-846 8260B	1	07/21/2008 13:23	Nicholas R Rossi	1
	8260 Special Cmpds for	SW-846 8260B	1	07/21/2008 13:23	Nicholas R Rossi	1
00813	Waters					
01163	BNA Water Extraction	SW-846 3510C	1	07/20/2008 10:15	Jessica Agosto	1
	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 13:23	Nicholas R Rossi	1



Page 1 of 2

Lancaster Laboratories Sample No. WW5417641

Group No. 1101117

GAC_INF-071708 Grab Water

LIMS#

COC: 184105 GAC_INF

Collected: 07/17/2008 11:15 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/24/2008 at 18:29

Oak Ridge Parkway

Discard: 08/08/2008

Bldg 743

Toms River NJ 08753

GAINF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
06291	TCL by 8260 (water)					
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	2.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3.	1.	ug/l	1
05396	Chloroform	67-66-3	2.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	9.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	30.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	2.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	99.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	13.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	23.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	59.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	7.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1
06310	Xylene (Total)	1330-20-7	370.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1



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Lancaster Laboratories Sample No. WW5417641

Group No. 1101117

GAC_INF-071708 Grab Water

LIMS#

COC: 184105 GAC_INF

Collected: 07/17/2008 11:15 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/24/2008 at 18:29

Oak Ridge Parkway

Discard: 08/08/2008

Bldg 743

Toms River NJ 08753

GAINF

CAT No.	Analysis Name	CAS Number	As Received		Method	Detection Limit	Units	Dilution Factor
			Result					
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.								
05655	Trichlorofluoromethane	75-69-4	N.D.	2.		ug/l	1	
05664	1,2,3-Trichloropropane	96-18-4	4,300.	50.		ug/l	50	

The temperature of the sample at collection was 17 C, the pH was 6.34 and the specific conductance was 558 umhos/cm.

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/09

This sample was collected following the protocol specified by each method listed in the laboratory chronicle.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
06291	TCL by 8260 (water)	SW-846 8260B	1	07/21/2008 13:46	Nicholas R Rossi	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	07/21/2008 13:46	Nicholas R Rossi	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	07/21/2008 20:06	Nicholas R Rossi	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 13:46	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/21/2008 20:06	Nicholas R Rossi	50



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Lancaster Laboratories Sample No. WW5417642

Group No. 11011117

TB-01-071708 Water

LIMS#

COC: 184105 TB-01

Collected: 07/17/2008 11:05

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/24/2008 at 18:29

Oak Ridge Parkway

Discard: 08/08/2008

Bldg 743

Toms River NJ 08753

TB1GA

CAT No.	Analysis Name	CAS Number	As Received	As Received	Dilution Factor
			Result	Method Detection Limit	
06291	TCL by 8260 (water)				
05385	Chloromethane	74-87-3	N.D.	1.	ug/l
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l
05387	Bromomethane	74-83-9	N.D.	1.	ug/l
05388	Chloroethane	75-00-3	N.D.	1.	ug/l
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l
05396	Chloroform	67-66-3	N.D.	0.8	ug/l
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l
05401	Benzene	71-43-2	N.D.	0.5	ug/l
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l
05407	Toluene	108-88-3	N.D.	0.7	ug/l
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l
05418	Styrene	100-42-5	N.D.	1.	ug/l
05419	Bromoform	75-25-2	N.D.	1.	ug/l
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l
06302	Acetone	67-64-1	N.D.	6.	ug/l
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l
06305	2-Butanone	78-93-3	N.D.	3.	ug/l
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l
06371	8260 Special Cmpds for Waters				
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l



Page 2 of 2

Lancaster Laboratories Sample No. WW5417642

Group No. 1101117

TB-01-071708 Water

LIMS#

COC: 184105 TB-01

Collected: 07/17/2008 11:05

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/24/2008 at 18:29

Oak Ridge Parkway

Discard: 08/08/2008

Bldg 743

Toms River NJ 08753

TB1GA

CAT No.	Analysis Name	CAS Number	As Received		Method	Detection Limit	Units	Dilution Factor
			Result					
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.								
05655	Trichlorofluoromethane	75-69-4	N.D.		2.		ug/l	1
05664	1,2,3-Trichloropropane	96-18-4	N.D.		1.		ug/l	1

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/09

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
06291	TCL by 8260 (water)	SW-846 8260B	1	07/21/2008 13:01	Nicholas R Rossi	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	07/21/2008 13:01	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 13:01	Nicholas R Rossi	1



Quality Control Summary

Client Name: Ciba Specialty Chemicals Corp
 Reported: 07/24/08 at 06:29 PM

Group Number: 1101117

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08201WAB026			Sample number(s): 5417640					
Aniline	N.D.	1.	ug/l	87	90	49-101	4	30
4-Chloroaniline	N.D.	1.	ug/l	85	83	35-124	2	30
Dibenzofuran	N.D.	1.	ug/l	91	95	83-108	4	30
2-Methylnaphthalene	N.D.	1.	ug/l	92	95	78-107	3	30
2-Nitroaniline	N.D.	1.	ug/l	96	99	83-116	2	30
3-Nitroaniline	N.D.	1.	ug/l	92	95	74-113	3	30
4-Nitroaniline	N.D.	1.	ug/l	76	81	59-100	6	30
2,4,5-Trichlorophenol	N.D.	1.	ug/l	86	89	79-107	3	30
2-Chlorophenol	N.D.	1.	ug/l	88	94	77-108	6	30
Phenol	N.D.	1.	ug/l	44	47	17-81	6	30
2-Nitrophenol	N.D.	1.	ug/l	95	96	86-120	1	30
2,4-Dimethylphenol	N.D.	3.	ug/l	95	95	72-110	1	30
2,4-Dichlorophenol	N.D.	1.	ug/l	88	92	80-109	5	30
4-Chloro-3-methylphenol	N.D.	1.	ug/l	98	102	70-123	4	30
2,4,6-Trichlorophenol	N.D.	1.	ug/l	93	97	81-113	4	30
2,4-Dinitrophenol	N.D.	20.	ug/l	82	87	51-120	6	30
4-Nitrophenol	N.D.	10.	ug/l	52	56	10-90	7	30
4,6-Dinitro-2-methylphenol	N.D.	5.	ug/l	90	96	64-122	7	30
Pentachlorophenol	N.D.	3.	ug/l	76	74	53-110	3	30
N-Nitrosodimethylamine	N.D.	2.	ug/l	68	70	47-80	2	30
bis(2-Chloroethyl)ether	N.D.	1.	ug/l	94	97	77-108	3	30
1,3-Dichlorobenzene	N.D.	1.	ug/l	86	88	63-110	2	30
1,4-Dichlorobenzene	N.D.	1.	ug/l	85	89	65-113	5	30
1,2-Dichlorobenzene	N.D.	1.	ug/l	85	91	67-108	6	30
bis(2-Chloroisopropyl)ether	N.D.	1.	ug/l	121	121	39-133	0	30
Hexachloroethane	N.D.	1.	ug/l	88	92	52-113	4	30
N-Nitroso-di-n-propylamine	N.D.	1.	ug/l	92	98	69-110	6	30
Nitrobenzene	N.D.	1.	ug/l	95	97	75-109	1	30
Isophorone	N.D.	1.	ug/l	98	98	70-100	1	30
bis(2-Chloroethoxy)methane	N.D.	1.	ug/l	96	96	74-124	0	30
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	91	91	71-112	1	30
Naphthalene	N.D.	1.	ug/l	91	92	77-107	2	30
Hexachlorobutadiene	N.D.	1.	ug/l	92	92	57-124	0	30
Hexachlorocyclopentadiene	N.D.	5.	ug/l	62	63	22-139	1	30
2-Chloronaphthalene	N.D.	2.	ug/l	82	85	60-100	4	30
Acenaphthylene	N.D.	1.	ug/l	96	98	80-122	2	30
Dimethylphthalate	N.D.	2.	ug/l	82	87	46-127	6	30
2,6-Dinitrotoluene	N.D.	1.	ug/l	95	101	85-115	6	30
Acenaphthene	N.D.	1.	ug/l	98	100	82-110	2	30
2,4-Dinitrotoluene	N.D.	1.	ug/l	96	100	81-115	4	30
Fluorene	N.D.	1.	ug/l	92	96	82-113	5	30
4-Chlorophenyl-phenylether	N.D.	2.	ug/l	89	92	82-111	4	30
Diethylphthalate	N.D.	2.	ug/l	94	98	79-109	5	30
1,2-Diphenylhydrazine	N.D.	1.	ug/l	102	104	78-116	2	30
N-Nitrosodiphenylamine	N.D.	2.	ug/l	108	110	83-112	1	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
 (2) The unspiked result was more than four times the spike added.



Quality Control Summary

Client Name: Ciba Specialty Chemicals Corp
 Reported: 07/24/08 at 06:29 PM

Group Number: 1101117

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
4-Bromophenyl-phenylether	N.D.	1.	ug/l	94	95	82-117	2	30
Hexachlorobenzene	N.D.	1.	ug/l	100	102	81-118	2	30
Phenanthrene	N.D.	1.	ug/l	97	102	83-112	5	30
Anthracene	N.D.	1.	ug/l	97	98	81-111	1	30
Di-n-butylphthalate	N.D.	2.	ug/l	98	100	83-114	2	30
Fluoranthene	N.D.	1.	ug/l	94	96	76-106	2	30
Pyrene	N.D.	1.	ug/l	96	100	80-115	4	30
Benzidine	N.D.	20.	ug/l	22	87	20-109	121*	30
Butylbenzylphthalate	N.D.	2.	ug/l	96	97	77-115	2	30
Benzo(a)anthracene	N.D.	1.	ug/l	94	96	80-110	2	30
Chrysene	N.D.	1.	ug/l	93	95	82-112	2	30
3,3'-Dichlorobenzidine	N.D.	2.	ug/l	91	75	49-111	19	30
bis(2-Ethylhexyl)phthalate	N.D.	2.	ug/l	99	100	78-117	2	30
Di-n-octylphthalate	N.D.	2.	ug/l	93	98	68-128	6	30
Benzo(b)fluoranthene	N.D.	1.	ug/l	90	101	66-125	11	30
Benzo(k)fluoranthene	N.D.	1.	ug/l	95	96	72-122	1	30
Benzo(a)pyrene	N.D.	1.	ug/l	94	96	74-120	2	30
Indeno(1,2,3-cd)pyrene	N.D.	1.	ug/l	85	88	69-121	3	30
Dibenz(a,h)anthracene	N.D.	1.	ug/l	91	92	74-131	1	30
Benzo(g,h,i)perylene	N.D.	1.	ug/l	91	91	71-125	1	30
2-Methylphenol	N.D.	1.	ug/l	91	96	64-101	5	30
4-Methylphenol	N.D.	2.	ug/l	89	96	61-103	7	30
Benzyl alcohol	N.D.	5.	ug/l	83	87	66-97	4	30
Benzoic acid	N.D.	6.	ug/l	54	53	6-80	3	30
Batch number: L082031AA			Sample number(s): 5417640-5417642					
Chloromethane	N.D.	1.	ug/l	96	100	47-133	4	30
Vinyl Chloride	N.D.	1.	ug/l	95	98	54-123	3	30
Bromomethane	N.D.	1.	ug/l	57	56	50-128	1	30
Chloroethane	N.D.	1.	ug/l	75	75	54-117	1	30
1,1-Dichloroethene	N.D.	0.8	ug/l	89	94	76-122	5	30
Methylene Chloride	N.D.	2.	ug/l	96	98	85-120	2	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	93	96	83-117	3	30
1,1-Dichloroethane	N.D.	1.	ug/l	94	97	83-127	4	30
Chloroform	N.D.	0.8	ug/l	95	97	77-125	2	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	88	90	83-127	3	30
Carbon Tetrachloride	N.D.	1.	ug/l	84	87	77-130	3	30
Benzene	N.D.	0.5	ug/l	96	99	78-119	3	30
1,2-Dichloroethane	N.D.	1.	ug/l	95	92	69-135	2	30
Trichloroethene	N.D.	1.	ug/l	94	97	87-117	4	30
1,2-Dichloropropane	N.D.	1.	ug/l	99	101	80-117	3	30
Bromodichloromethane	N.D.	1.	ug/l	94	95	83-121	1	30
Toluene	N.D.	0.7	ug/l	98	102	85-115	4	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	100	102	86-113	1	30
Tetrachloroethene	N.D.	0.8	ug/l	90	95	76-118	5	30
Dibromochloromethane	N.D.	1.	ug/l	92	94	78-119	1	30
Chlorobenzene	N.D.	0.8	ug/l	98	100	85-115	2	30
Ethylbenzene	N.D.	0.8	ug/l	94	99	82-119	5	30
Styrene	N.D.	1.	ug/l	98	101	82-111	2	30
Bromoform	N.D.	1.	ug/l	91	91	69-118	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	102	102	72-119	0	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	78	80	51-142	3	30
Trichlorofluoromethane	N.D.	2.	ug/l	83	87	60-137	4	30
1,2,3-Trichloropropane	N.D.	1.	ug/l	96	96	78-117	0	30

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
 (2) The unspiked result was more than four times the spike added.



Quality Control Summary

Client Name: Ciba Specialty Chemicals Corp
 Reported: 07/24/08 at 06:29 PM

Group Number: 1101117

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Acetone	N.D.	6.	ug/l	136	131	40-200	4	30
Carbon Disulfide	N.D.	1.	ug/l	78	81	69-119	4	30
2-Butanone	N.D.	3.	ug/l	109	107	63-157	2	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	89	92	79-114	3	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	89	92	78-114	3	30
4-Methyl-2-pentanone	N.D.	3.	ug/l	95	94	70-130	1	30
2-Hexanone	N.D.	3.	ug/l	100	98	61-140	2	30
Xylene (Total)	N.D.	0.8	ug/l	98	103	83-113	4	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD RPD</u>	<u>BKG MAX Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: L082031AA			Sample number(s): 5417640-5417642 UNSPK: P417649					
Chloromethane	114		49-153					
Vinyl Chloride	115		59-143					
Bromomethane	71		54-140					
Chloroethane	95		60-140					
1,1-Dichloroethene	105		87-145					
Methylene Chloride	98		79-133					
trans-1,2-Dichloroethene	104		82-133					
1,1-Dichloroethane	105		85-135					
Chloroform	104		83-139					
1,1,1-Trichloroethane	99		81-142					
Carbon Tetrachloride	97		82-149					
Benzene	105		83-128					
1,2-Dichloroethane	99		70-143					
Trichloroethene	105		83-136					
1,2-Dichloropropane	108		83-129					
Bromodichloromethane	97		80-137					
Toluene	112		83-127					
1,1,2-Trichloroethane	105		77-125					
Tetrachloroethene	103		78-133					
Dibromochloromethane	93		80-128					
Chlorobenzene	106		83-120					
Ethylbenzene	116		82-129					
Styrene	111		69-131					
Bromoform	91		64-119					
1,1,2,2-Tetrachloroethane	103		73-121					
2-Chloroethyl Vinyl Ether	0*		1-156					
Trichlorofluoromethane	99		68-163					
1,2,3-Trichloropropane	71*		73-125					
Acetone	91		54-150					
Carbon Disulfide	79		69-146					
2-Butanone	92		57-137					
trans-1,3-Dichloropropene	87		77-123					
cis-1,3-Dichloropropene	79*		80-126					
4-Methyl-2-pentanone	94		68-133					
2-Hexanone	95		60-135					

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Quality Control Summary

Client Name: Ciba Specialty Chemicals Corp
 Reported: 07/24/08 at 06:29 PM

Group Number: 1101117

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	MS <u>%REC</u>	MSD <u>%REC</u>	MS/MSD <u>Limits</u>	RPD <u>MAX</u>	BKG <u>Conc</u>	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Xylene (Total)	114		82-130					

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCL SW846 Semivolatiles/Waters
 Batch number: 08201WAB026

	2-Fluorophenol	Phenol-d6	2,4,6-Tribromophenol	Nitrobenzene-d5
5417640	61	40	113	96
Blank	70	47	119	101
LCS	69	47	115	99
LCSD	73	49	123	99
Limits:	10-98	10-74	26-153	44-127
	2-Fluorobiphenyl	Terphenyl-d14		
5417640	89	81		
Blank	91	92		
LCS	92	85		
LCSD	96	88		
Limits:	63-114	30-126		

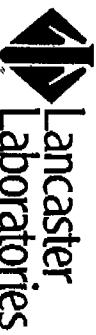
Analysis Name: TCL by 8260 (water)
 Batch number: L082031AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5417640	97	95	92	82
5417641	96	97	94	90
5417642	96	97	92	82
Blank	96	96	93	83
LCS	91	94	100	91
LCSD	91	94	99	90
MS	90	94	101	92
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Analysis Request/Environmental Services Chain of Custody



For Lancaster Laboratories use only
Acct. # 4285 Group# 116117 Sample# S-4117640-42

COC # 184105

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: <u>Ciba</u> Project Name#: <u>Tysons - Semi-truck</u> Project Manager: <u>Darren McNichols</u> Sampler: <u>J. Allen / T. Hauke</u> P.W.S.I.D. #: _____ Quote #: _____ Name of state where samples were collected: <u>PA</u>		2 Date: <u>7/17/08</u> Time: <u>1105</u> AM <u>GAC - INF - 07/17/08</u> <u>TB - 01 - 07/17/08</u> <u>7/17/08</u> <u>7/17/08</u> <u>1105</u> <u>1105</u> <u>X</u> <u>X</u> <u>3</u> <u>2</u> <u>X</u> <u>X</u> <u>2</u> <u>3</u>		3 Date: <u>7/17/08</u> Time: <u>1105</u> AM <u>GAC - INF - 07/17/08</u> <u>TB - 01 - 07/17/08</u> <u>7/17/08</u> <u>7/17/08</u> <u>1105</u> <u>1105</u> <u>X</u> <u>X</u> <u>3</u> <u>2</u> <u>X</u> <u>X</u> <u>2</u> <u>3</u>		4 Date: <u>7/17/08</u> Time: <u>1105</u> AM <u>GAC - INF - 07/17/08</u> <u>TB - 01 - 07/17/08</u> <u>7/17/08</u> <u>7/17/08</u> <u>1105</u> <u>1105</u> <u>X</u> <u>X</u> <u>3</u> <u>2</u> <u>X</u> <u>X</u> <u>2</u> <u>3</u>		5 Requested Date: <u>7/17/08</u> Time: <u>1105</u> AM <u>GAC - INF - 07/17/08</u> <u>TB - 01 - 07/17/08</u> <u>7/17/08</u> <u>7/17/08</u> <u>1105</u> <u>1105</u> <u>X</u> <u>X</u> <u>3</u> <u>2</u> <u>X</u> <u>X</u> <u>2</u> <u>3</u>	
6 Preservation Codes FSC: <u>62437</u> SCR#: <u>62437</u> Remarks: <u>Temp 87.0° 2nd 534</u> <u>17°C 67.0° 534</u> <u>62°C 63.4° 538</u> <u>— — —</u>		7 Turnaround Time Requested (TAT) (please circle): <u>Normal</u> Rush (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: _____ Rush results requested by (please circle): Phone: _____ Fax: _____ E-mail: _____ Phone #: _____ Fax #: _____ E-mail address: _____		8 Data Package Options (please circle if required) Type I (Validation/NJ Reg) TX TRRP-13 Yes SDG Complete? Type II (Tier II) MA/MCP Yes No Type III (Reduced NJ) CTRCP Yes No Type IV (CLP SOW) Site-specific QC (MS/MSDDup)? Yes No Type VI (Raw Data Only) Internal COC Required? Yes / No (If yes, indicate QC sample and return specimen volume)		9 Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____ Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____ <u>J. Allen</u> <u>7/17/08</u> <u>1220</u> <u>Received by</u> <u>J. Allen</u> <u>7/17/08</u> <u>1220</u> <u>Date</u> <u>Time</u> <u>Internal COC Required?</u> <u>Yes / No</u>			

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-5300 Fax: (717) 656-5766 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.



ANALYTICAL RESULTS

Prepared for:

Ciba Specialty Chemicals Corp
Oak Ridge Parkway
Bldg 743
Toms River NJ 08753

732-914-2517

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1101118. Samples arrived at the laboratory on Thursday, July 17, 2008. The PO# for this group is T0001567/T0216301.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
RIVERUPSTR-071708 Grab Water	5417643
RIVERCHNL-071708 Grab Water	5417644
RIVERCRIB-071708 Grab Water	5417645
RIVERFLUME-071708 Grab Water	5417646
TB-01-071708 Water	5417647

1 COPY TO Ciba Specialty Chemicals Corp
1 COPY TO Ciba Specialty Chemicals Corp
ELECTRONIC Ciba Specialty Chemicals Corp
COPY TO

Attn: Fred Goelz
Attn: Dorren McNichols
Attn: Laura McMahon



Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Dorothy M. Love

Dorothy M. Love
Group Leader



Page 1 of 3

Lancaster Laboratories Sample No. WW5417643

Group No. 1101118

RIVERUPSTR-071708 Grab Water

LIMS#

COC: 184102 RIVERUPSTR

Collected: 07/17/2008 06:50 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

RIVUP

Toms River NJ 08753

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Method	Detection Limit		
03600	Additional Compounds by 524.2					
03599	Ethyl Ether	60-29-7	N.D.	0.2	ug/l	1
03608	Acetone	67-64-1	N.D.	3.0	ug/l	1
03609	Methyl Iodide	74-88-4	N.D.	0.1	ug/l	1
03610	Carbon Disulfide	75-15-0	N.D.	0.4	ug/l	1
03611	Allyl Chloride	107-05-1	N.D.	0.1	ug/l	1
03612	Acrylonitrile	107-13-1	N.D.	2.0	ug/l	1
03613	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	ug/l	1
03614	2-Butanone	78-93-3	N.D.	2.0	ug/l	1
03616	Methyl Acrylate	96-33-3	N.D.	0.5	ug/l	1
03617	Methacrylonitrile	126-98-7	N.D.	1.0	ug/l	1
03621	Tetrahydrofuran	109-99-9	N.D.	2.0	ug/l	1
03622	1-Chlorobutane	109-69-3	N.D.	0.2	ug/l	1
03623	Methyl Methacrylate	80-62-6	N.D.	0.2	ug/l	1
03627	4-Methyl-2-pentanone	108-10-1	N.D.	0.6	ug/l	1
03628	Ethyl Methacrylate	97-63-2	N.D.	0.1	ug/l	1
03629	2-Hexanone	591-78-6	N.D.	0.6	ug/l	1
03630	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	ug/l	1
03633	Pentachloroethane	76-01-7	N.D.	0.1	ug/l	1
03634	Hexachloroethane	67-72-1	N.D.	0.1	ug/l	1
03643	EPA Method 524.2					
00328	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	ug/l	1
00498	Dichlorodifluoromethane	75-71-8	N.D.	0.2	ug/l	1
00503	2,2-Dichloropropane	594-20-7	N.D.	0.2	ug/l	1
00891	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	ug/l	1
00892	Bromochloromethane	74-97-5	N.D.	0.1	ug/l	1
00978	1,1-Dichloropropene	563-58-6	N.D.	0.1	ug/l	1
00979	Dibromomethane	74-95-3	N.D.	0.1	ug/l	1
00980	1,3-Dichloropropane	142-28-9	N.D.	0.1	ug/l	1
00981	1,2-Dibromoethane	106-93-4	N.D.	0.1	ug/l	1
00983	m+p-Xylene	1330-20-7	0.4	0.2	ug/l	1
00985	o-Xylene	95-47-6	0.2	0.1	ug/l	1
00986	Isopropylbenzene	98-82-8	N.D.	0.1	ug/l	1
00987	Bromobenzene	108-86-1	N.D.	0.1	ug/l	1
00988	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	ug/l	1
00989	n-Propylbenzene	103-65-1	N.D.	0.1	ug/l	1



Page 2 of 3

Lancaster Laboratories Sample No. WW5417643

Group No. 1101118

RIVERUPSTR-071708 Grab Water

LIMS#

COC: 184102 RIVERUPSTR

Collected: 07/17/2008 06:50 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp
 Oak Ridge Parkway
 Bldg 743
 Toms River NJ 08753

Reported: 07/28/2008 at 14:19

Discard: 08/12/2008

RIVUP

CAT No.	Analysis Name	CAS Number	As Received		Dilution Factor
			Result	Method Detection Limit	
00990	2-Chlorotoluene	95-49-8	N.D.	0.1	ug/l 1
00991	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	ug/l 1
00992	4-Chlorotoluene	106-43-4	N.D.	0.2	ug/l 1
00993	tert-Butylbenzene	98-06-6	N.D.	0.1	ug/l 1
00994	1,2,4-Trimethylbenzene	95-63-6	0.1	0.1	ug/l 1
00995	sec-Butylbenzene	135-98-8	N.D.	0.1	ug/l 1
00996	p-Isopropyltoluene	99-87-6	N.D.	0.1	ug/l 1
00997	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	ug/l 1
00998	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	ug/l 1
00999	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l 1
01000	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	ug/l 1
01001	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	ug/l 1
01002	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	ug/l 1
01003	Hexachlorobutadiene	87-68-3	N.D.	0.2	ug/l 1
01004	Naphthalene	91-20-3	N.D.	0.2	ug/l 1
01005	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	ug/l 1
03397	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	ug/l 1
03398	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	ug/l 1
03399	Chloromethane	74-87-3	N.D.	0.2	ug/l 1
03400	Bromomethane	74-83-9	N.D.	0.1	ug/l 1
03401	Vinyl Chloride	75-01-4	N.D.	0.1	ug/l 1
03402	Chloroethane	75-00-3	N.D.	0.2	ug/l 1
03403	Trichlorofluoromethane	75-69-4	N.D.	0.2	ug/l 1
03404	1,1-Dichloroethene	75-35-4	N.D.	0.1	ug/l 1
03405	Methylene Chloride	75-09-2	N.D.	0.3	ug/l 1
03406	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	ug/l 1
03407	1,1-Dichloroethane	75-34-3	N.D.	0.1	ug/l 1
03408	Chloroform	67-66-3	0.1	0.1	ug/l 1
03409	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	ug/l 1
03410	Carbon Tetrachloride	56-23-5	N.D.	0.1	ug/l 1
03411	Benzene	71-43-2	0.1	0.1	ug/l 1
03412	1,2-Dichloroethane	107-06-2	N.D.	0.1	ug/l 1
03413	Trichloroethene	79-01-6	N.D.	0.1	ug/l 1
03414	1,2-Dichloropropane	78-87-5	N.D.	0.1	ug/l 1
03415	Bromodichloromethane	75-27-4	N.D.	0.1	ug/l 1
03416	Toluene	108-88-3	0.5	0.1	ug/l 1
03417	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	ug/l 1
03418	Tetrachloroethene	127-18-4	N.D.	0.1	ug/l 1
03419	Dibromochloromethane	124-48-1	N.D.	0.1	ug/l 1
03420	Chlorobenzene	108-90-7	N.D.	0.1	ug/l 1
03421	Ethylbenzene	100-41-4	N.D.	0.1	ug/l 1



Page 3 of 3

Lancaster Laboratories Sample No. WW5417643

Group No. 1101118

RIVERUPSTR-071708 Grab Water

LIMS#

COC: 184102 RIVERUPSTR

Collected: 07/17/2008 06:50 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

Toms River NJ 08753

RIVUP

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Result	Method Detection Limit		
03422	Styrene	100-42-5	N.D.	0.1	ug/l	1
03423	Bromoform	75-25-2	N.D.	0.1	ug/l	1
03424	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	ug/l	1

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/09

This sample was collected following the protocol specified by each method listed in the laboratory chronicle.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
03600	Additional Compounds by 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 12:12	Ryan V Nolt	1
03643	EPA Method 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 12:12	Ryan V Nolt	1



Page 1 of 3

Lancaster Laboratories Sample No. WW5417644

Group No. 1101118

RIVERCHNL-071708 Grab Water

LIMS#

COC: 184102 RIVERCHNL

Collected: 07/17/2008 07:50 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp
Oak Ridge Parkway
Bldg 743
Toms River NJ 08753

Reported: 07/28/2008 at 14:19

Discard: 08/12/2008

RIVCH

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Method	Detection Limit		
03600	Additional Compounds by 524.2					
03599	Ethyl Ether	60-29-7	N.D.	0.2	ug/l	1
03608	Acetone	67-64-1	N.D.	3.0	ug/l	1
03609	Methyl Iodide	74-88-4	N.D.	0.1	ug/l	1
03610	Carbon Disulfide	75-15-0	N.D.	0.4	ug/l	1
03611	Allyl Chloride	107-05-1	N.D.	0.1	ug/l	1
03612	Acrylonitrile	107-13-1	N.D.	2.0	ug/l	1
03613	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	ug/l	1
03614	2-Butanone	78-93-3	N.D.	2.0	ug/l	1
03616	Methyl Acrylate	96-33-3	N.D.	0.5	ug/l	1
03617	Methacrylonitrile	126-98-7	N.D.	1.0	ug/l	1
03621	Tetrahydrofuran	109-99-9	N.D.	2.0	ug/l	1
03622	1-Chlorobutane	109-69-3	N.D.	0.2	ug/l	1
03623	Methyl Methacrylate	80-62-6	N.D.	0.2	ug/l	1
03627	4-Methyl-2-pentanone	108-10-1	N.D.	0.6	ug/l	1
03628	Ethyl Methacrylate	97-63-2	N.D.	0.1	ug/l	1
03629	2-Hexanone	591-78-6	N.D.	0.6	ug/l	1
03630	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	ug/l	1
03633	Pentachloroethane	76-01-7	N.D.	0.1	ug/l	1
03634	Hexachloroethane	67-72-1	N.D.	0.1	ug/l	1
03643	EPA Method 524.2					
00328	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	ug/l	1
00498	Dichlorodifluoromethane	75-71-8	N.D.	0.2	ug/l	1
00503	2,2-Dichloropropane	594-20-7	N.D.	0.2	ug/l	1
00891	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	ug/l	1
00892	Bromochloromethane	74-97-5	N.D.	0.1	ug/l	1
00978	1,1-Dichloropropene	563-58-6	N.D.	0.1	ug/l	1
00979	Dibromomethane	74-95-3	N.D.	0.1	ug/l	1
00980	1,3-Dichloropropene	142-28-9	N.D.	0.1	ug/l	1
00981	1,2-Dibromoethane	106-93-4	N.D.	0.1	ug/l	1
00983	m+p-Xylene	1330-20-7	0.4	0.2	ug/l	1
00985	o-Xylene	95-47-6	0.2	0.1	ug/l	1
00986	Isopropylbenzene	98-82-8	N.D.	0.1	ug/l	1
00987	Bromobenzene	108-86-1	N.D.	0.1	ug/l	1
00988	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	ug/l	1
00989	n-Propylbenzene	103-65-1	N.D.	0.1	ug/l	1



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Lancaster Laboratories Sample No. WW5417644

Group No. 1101118

RIVERCHNL-071708 Grab Water

LIMS#

COC: 184102 RIVERCHNL

Collected: 07/17/2008 07:50 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

RIVCH

Toms River NJ 08753

CAT No.	Analysis Name	CAS Number	As Received		Dilution Factor
			Result	Method Detection Limit	
00990	2-Chlorotoluene	95-49-8	N.D.	0.1	ug/l 1
00991	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	ug/l 1
00992	4-Chlorotoluene	106-43-4	N.D.	0.2	ug/l 1
00993	tert-Butylbenzene	98-06-6	N.D.	0.1	ug/l 1
00994	1,2,4-Trimethylbenzene	95-63-6	0.2	0.1	ug/l 1
00995	sec-Butylbenzene	135-98-8	N.D.	0.1	ug/l 1
00996	p-Isopropyltoluene	99-87-6	N.D.	0.1	ug/l 1
00997	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	ug/l 1
00998	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	ug/l 1
00999	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l 1
01000	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	ug/l 1
01001	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	ug/l 1
01002	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	ug/l 1
01003	Hexachlorobutadiene	87-68-3	N.D.	0.2	ug/l 1
01004	Naphthalene	91-20-3	N.D.	0.2	ug/l 1
01005	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	ug/l 1
03397	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	ug/l 1
03398	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	ug/l 1
03399	Chloromethane	74-87-3	N.D.	0.2	ug/l 1
03400	Bromomethane	74-83-9	N.D.	0.1	ug/l 1
03401	Vinyl Chloride	75-01-4	N.D.	0.1	ug/l 1
03402	Chloroethane	75-00-3	N.D.	0.2	ug/l 1
03403	Trichlorofluoromethane	75-69-4	N.D.	0.2	ug/l 1
03404	1,1-Dichloroethene	75-35-4	N.D.	0.1	ug/l 1
03405	Methylene Chloride	75-09-2	N.D.	0.3	ug/l 1
03406	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	ug/l 1
03407	1,1-Dichloroethane	75-34-3	N.D.	0.1	ug/l 1
03408	Chloroform	67-66-3	0.2	0.1	ug/l 1
03409	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	ug/l 1
03410	Carbon Tetrachloride	56-23-5	N.D.	0.1	ug/l 1
03411	Benzene	71-43-2	0.1	0.1	ug/l 1
03412	1,2-Dichloroethane	107-06-2	N.D.	0.1	ug/l 1
03413	Trichloroethene	79-01-6	N.D.	0.1	ug/l 1
03414	1,2-Dichloropropane	78-87-5	N.D.	0.1	ug/l 1
03415	Bromodichloromethane	75-27-4	N.D.	0.1	ug/l 1
03416	Toluene	108-88-3	0.5	0.1	ug/l 1
03417	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	ug/l 1
03418	Tetrachloroethene	127-18-4	N.D.	0.1	ug/l 1
03419	Dibromochloromethane	124-48-1	N.D.	0.1	ug/l 1
03420	Chlorobenzene	108-90-7	N.D.	0.1	ug/l 1
03421	Ethylbenzene	100-41-4	N.D.	0.1	ug/l 1



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Lancaster Laboratories Sample No. WW5417644

Group No. 1101118

RIVERCHNL-071708 Grab Water

LIMS#

COC: 184102 RIVERCHNL

Collected: 07/17/2008 07:50 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

Toms River NJ 08753

RIVCH

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Method	Result		
03422	Styrene	100-42-5		N.D.	0.1	ug/l
03423	Bromoform	75-25-2		N.D.	0.1	ug/l
03424	1,1,2,2-Tetrachloroethane	79-34-5		N.D.	0.1	ug/l

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/09

This sample was collected following the protocol specified by each method listed in the laboratory chronicle.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
03600	Additional Compounds by 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 12:38	Ryan V Nolt	1
03643	EPA Method 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 12:38	Ryan V Nolt	1



Page 1 of 3

Lancaster Laboratories Sample No. WW5417645

Group No. 1101118

RIVERCRIB-071708 Grab Water

LIMS#

COC: 184102 RIVERCRIB

Collected: 07/17/2008 07:20 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp
Oak Ridge Parkway
Bldg 743
Toms River NJ 08753

Reported: 07/28/2008 at 14:19

Discard: 08/12/2008

RIVCR

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Method	Detection Limit		
03600	Additional Compounds by 524.2					
03599	Ethyl Ether	60-29-7	N.D.	0.2	ug/l	1
03608	Acetone	67-64-1	N.D.	3.0	ug/l	1
03609	Methyl Iodide	74-88-4	N.D.	0.1	ug/l	1
03610	Carbon Disulfide	75-15-0	N.D.	0.4	ug/l	1
03611	Allyl Chloride	107-05-1	N.D.	0.1	ug/l	1
03612	Acrylonitrile	107-13-1	N.D.	2.0	ug/l	1
03613	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	ug/l	1
03614	2-Butanone	78-93-3	N.D.	2.0	ug/l	1
03616	Methyl Acrylate	96-33-3	N.D.	0.5	ug/l	1
03617	Methacrylonitrile	126-98-7	N.D.	1.0	ug/l	1
03621	Tetrahydrofuran	109-99-9	N.D.	2.0	ug/l	1
03622	1-Chlorobutane	109-69-3	N.D.	0.2	ug/l	1
03623	Methyl Methacrylate	80-62-6	N.D.	0.2	ug/l	1
03627	4-Methyl-2-pentanone	108-10-1	N.D.	0.6	ug/l	1
03628	Ethyl Methacrylate	97-63-2	N.D.	0.1	ug/l	1
03629	2-Hexanone	591-78-6	N.D.	0.6	ug/l	1
03630	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	ug/l	1
03633	Pentachloroethane	76-01-7	N.D.	0.1	ug/l	1
03634	Hexachloroethane	67-72-1	N.D.	0.1	ug/l	1
03643	EPA Method 524.2					
00328	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	ug/l	1
00498	Dichlorodifluoromethane	75-71-8	N.D.	0.2	ug/l	1
00503	2,2-Dichloropropane	594-20-7	N.D.	0.2	ug/l	1
00891	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	ug/l	1
00892	Bromochloromethane	74-97-5	N.D.	0.1	ug/l	1
00978	1,1-Dichloropropene	563-58-6	N.D.	0.1	ug/l	1
00979	Dibromomethane	74-95-3	N.D.	0.1	ug/l	1
00980	1,3-Dichloropropene	142-28-9	N.D.	0.1	ug/l	1
00981	1,2-Dibromoethane	106-93-4	N.D.	0.1	ug/l	1
00983	m+p-Xylene	1330-20-7	0.3	0.2	ug/l	1
00985	o-Xylene	95-47-6	0.1	0.1	ug/l	1
00986	Isopropylbenzene	98-82-8	N.D.	0.1	ug/l	1
00987	Bromobenzene	108-86-1	N.D.	0.1	ug/l	1
00988	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	ug/l	1
00989	n-Propylbenzene	103-65-1	N.D.	0.1	ug/l	1



Lancaster Laboratories Sample No. WW5417645

Group No. 1101118

RIVERCRIB-071708 Grab Water

LIMS#

COC: 184102 RIVERCRIB

Collected: 07/17/2008 07:20 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

Toms River NJ 08753

RIVCR

CAT No.	Analysis Name	CAS Number	As Received		Dilution Factor
			Result	Method Detection Limit	
00990	2-Chlorotoluene	95-49-8	N.D.	0.1	ug/l 1
00991	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	ug/l 1
00992	4-Chlorotoluene	106-43-4	N.D.	0.2	ug/l 1
00993	tert-Butylbenzene	98-06-6	N.D.	0.1	ug/l 1
00994	1,2,4-Trimethylbenzene	95-63-6	0.1	0.1	ug/l 1
00995	sec-Butylbenzene	135-98-8	N.D.	0.1	ug/l 1
00996	p-Isopropyltoluene	99-87-6	N.D.	0.1	ug/l 1
00997	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	ug/l 1
00998	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	ug/l 1
00999	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l 1
01000	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	ug/l 1
01001	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	ug/l 1
01002	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	ug/l 1
01003	Hexachlorobutadiene	87-68-3	N.D.	0.2	ug/l 1
01004	Naphthalene	91-20-3	N.D.	0.2	ug/l 1
01005	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	ug/l 1
03397	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	ug/l 1
03398	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	ug/l 1
03399	Chloromethane	74-87-3	N.D.	0.2	ug/l 1
03400	Bromomethane	74-83-9	N.D.	0.1	ug/l 1
03401	Vinyl Chloride	75-01-4	N.D.	0.1	ug/l 1
03402	Chloroethane	75-00-3	N.D.	0.2	ug/l 1
03403	Trichlorofluoromethane	75-69-4	N.D.	0.2	ug/l 1
03404	1,1-Dichloroethene	75-35-4	N.D.	0.1	ug/l 1
03405	Methylene Chloride	75-09-2	N.D.	0.3	ug/l 1
03406	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	ug/l 1
03407	1,1-Dichloroethane	75-34-3	N.D.	0.1	ug/l 1
03408	Chloroform	67-66-3	5.7	0.1	ug/l 1
03409	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	ug/l 1
03410	Carbon Tetrachloride	56-23-5	N.D.	0.1	ug/l 1
03411	Benzene	71-43-2	0.1	0.1	ug/l 1
03412	1,2-Dichloroethane	107-06-2	N.D.	0.1	ug/l 1
03413	Trichloroethene	79-01-6	N.D.	0.1	ug/l 1
03414	1,2-Dichloropropane	78-87-5	N.D.	0.1	ug/l 1
03415	Bromodichloromethane	75-27-4	2.5	0.1	ug/l 1
03416	Toluene	108-88-3	0.5	0.1	ug/l 1
03417	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	ug/l 1
03418	Tetrachloroethene	127-18-4	N.D.	0.1	ug/l 1
03419	Dibromochloromethane	124-48-1	1.	0.1	ug/l 1
03420	Chlorobenzene	108-90-7	N.D.	0.1	ug/l 1
03421	Ethylbenzene	100-41-4	N.D.	0.1	ug/l 1



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Lancaster Laboratories Sample No. WW5417645

Group No. 1101118

RIVERCRIB-071708 Grab Water

LIMS#

COC: 184102 RIVERCRIB

Collected: 07/17/2008 07:20 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

Toms River NJ 08753

RIVCR

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Result	Method Detection Limit		
03422	Styrene	100-42-5	N.D.	0.1	ug/l	1
03423	Bromoform	75-25-2	0.2	0.1	ug/l	1
03424	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	ug/l	1

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/09

This sample was collected following the protocol specified by each method listed in the laboratory chronicle.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
03600	Additional Compounds by 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 13:04	Ryan V Nolt	1
03643	EPA Method 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 13:04	Ryan V Nolt	1



Page 1 of 3

Lancaster Laboratories Sample No. WW5417646

Group No. 1101118

RIVERFLUME-071708 Grab Water

LIMS#

COC: 184102 RIVERFLUME

Collected: 07/17/2008 07:25 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

Toms River NJ 08753

RIVFL

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Method	Detection Limit		
03600	Additional Compounds by 524.2					
03599	Ethyl Ether	60-29-7	N.D.	0.2	ug/l	1
03608	Acetone	67-64-1	N.D.	3.0	ug/l	1
03609	Methyl Iodide	74-88-4	N.D.	0.1	ug/l	1
03610	Carbon Disulfide	75-15-0	N.D.	0.4	ug/l	1
03611	Allyl Chloride	107-05-1	N.D.	0.1	ug/l	1
03612	Acrylonitrile	107-13-1	N.D.	2.0	ug/l	1
03613	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	ug/l	1
03614	2-Butanone	78-93-3	N.D.	2.0	ug/l	1
03616	Methyl Acrylate	96-33-3	N.D.	0.5	ug/l	1
03617	Methacrylonitrile	126-98-7	N.D.	1.0	ug/l	1
03621	Tetrahydrofuran	109-99-9	N.D.	2.0	ug/l	1
03622	1-Chlorobutane	109-69-3	N.D.	0.2	ug/l	1
03623	Methyl Methacrylate	80-62-6	N.D.	0.2	ug/l	1
03627	4-Methyl-2-pentanone	108-10-1	N.D.	0.6	ug/l	1
03628	Ethyl Methacrylate	97-63-2	N.D.	0.1	ug/l	1
03629	2-Hexanone	591-78-6	N.D.	0.6	ug/l	1
03630	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	ug/l	1
03633	Pentachloroethane	76-01-7	N.D.	0.1	ug/l	1
03634	Hexachloroethane	67-72-1	N.D.	0.1	ug/l	1
03643	EPA Method 524.2					
00328	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	ug/l	1
00498	Dichlorodifluoromethane	75-71-8	N.D.	0.2	ug/l	1
00503	2,2-Dichloropropane	594-20-7	N.D.	0.2	ug/l	1
00891	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	ug/l	1
00892	Bromochloromethane	74-97-5	N.D.	0.1	ug/l	1
00978	1,1-Dichloropropene	563-58-6	N.D.	0.1	ug/l	1
00979	Dibromomethane	74-95-3	N.D.	0.1	ug/l	1
00980	1,3-Dichloropropene	142-28-9	N.D.	0.1	ug/l	1
00981	1,2-Dibromoethane	106-93-4	N.D.	0.1	ug/l	1
00983	m+p-Xylene	1330-20-7	N.D.	0.2	ug/l	1
00985	o-Xylene	95-47-6	N.D.	0.1	ug/l	1
00986	Isopropylbenzene	98-82-8	N.D.	0.1	ug/l	1
00987	Bromobenzene	108-86-1	N.D.	0.1	ug/l	1
00988	1,2,3-Trichloropropane	96-18-4	N.D.	0.2	ug/l	1
00989	n-Propylbenzene	103-65-1	N.D.	0.1	ug/l	1



Lancaster Laboratories Sample No. WW5417646

Group No. 1101118

RIVERFLUME-071708 Grab Water

LIMS#

COC: 184102 RIVERFLUME

Collected: 07/17/2008 07:25 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

RIVFL

Toms River NJ 08753

CAT No.	Analysis Name	CAS Number	As Received		Dilution Factor
			Result	Method Detection Limit	
00990	2-Chlorotoluene	95-49-8	N.D.	0.1	ug/l 1
00991	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	ug/l 1
00992	4-Chlorotoluene	106-43-4	N.D.	0.2	ug/l 1
00993	tert-Butylbenzene	98-06-6	N.D.	0.1	ug/l 1
00994	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	ug/l 1
00995	sec-Butylbenzene	135-98-8	N.D.	0.1	ug/l 1
00996	p-Isopropyltoluene	99-87-6	N.D.	0.1	ug/l 1
00997	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	ug/l 1
00998	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	ug/l 1
00999	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l 1
01000	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	ug/l 1
01001	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	ug/l 1
01002	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	ug/l 1
01003	Hexachlorobutadiene	87-68-3	N.D.	0.2	ug/l 1
01004	Naphthalene	91-20-3	N.D.	0.2	ug/l 1
01005	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	ug/l 1
03397	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	ug/l 1
03398	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	ug/l 1
03399	Chloromethane	74-87-3	N.D.	0.2	ug/l 1
03400	Bromomethane	74-83-9	N.D.	0.1	ug/l 1
03401	Vinyl Chloride	75-01-4	N.D.	0.1	ug/l 1
03402	Chloroethane	75-00-3	N.D.	0.2	ug/l 1
03403	Trichlorofluoromethane	75-69-4	N.D.	0.2	ug/l 1
03404	1,1-Dichloroethene	75-35-4	N.D.	0.1	ug/l 1
03405	Methylene Chloride	75-09-2	N.D.	0.3	ug/l 1
03406	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	ug/l 1
03407	1,1-Dichloroethane	75-34-3	N.D.	0.1	ug/l 1
03408	Chloroform	67-66-3	6.7	0.1	ug/l 1
03409	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	ug/l 1
03410	Carbon Tetrachloride	56-23-5	N.D.	0.1	ug/l 1
03411	Benzene	71-43-2	N.D.	0.1	ug/l 1
03412	1,2-Dichloroethane	107-06-2	N.D.	0.1	ug/l 1
03413	Trichloroethene	79-01-6	N.D.	0.1	ug/l 1
03414	1,2-Dichloropropane	78-87-5	N.D.	0.1	ug/l 1
03415	Bromodichloromethane	75-27-4	1.5	0.1	ug/l 1
03416	Toluene	108-88-3	N.D.	0.1	ug/l 1
03417	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	ug/l 1
03418	Tetrachloroethene	127-18-4	N.D.	0.1	ug/l 1
03419	Dibromochloromethane	124-48-1	N.D.	0.1	ug/l 1
03420	Chlorobenzene	108-90-7	N.D.	0.1	ug/l 1
03421	Ethylbenzene	100-41-4	N.D.	0.1	ug/l 1



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Lancaster Laboratories Sample No. WW5417646

Group No. 1101118

RIVERFLUME-071708 Grab Water

LIMS#

COC: 184102 RIVERFLUME

Collected: 07/17/2008 07:25 by LAB

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

Toms River NJ 08753

RIVFL

CAT No.	Analysis Name	CAS Number	As Received		Method	Units	Dilution Factor
			Result	Detection Limit			
03422	Styrene	100-42-5	N.D.	0.1	ug/l	1	
03423	Bromoform	75-25-2	N.D.	0.1	ug/l	1	
03424	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	ug/l	1	

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/09

This sample was collected following the protocol specified by each method listed in the laboratory chronicle.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
03600	Additional Compounds by 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 13:30	Ryan V Nolt	1
03643	EPA Method 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 13:30	Ryan V Nolt	1



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Lancaster Laboratories Sample No. WW5417647

Group No. 1101118

TB-01-071708 Water

LIMS#

COC: 184102 TB01-071708

Collected: n.a.

Account Number: 04285

Submitted: 07/17/2008 12:20

Ciba Specialty Chemicals Corp

Reported: 07/28/2008 at 14:19

Oak Ridge Parkway

Discard: 08/12/2008

Bldg 743

Toms River NJ 08753

TB1RV

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			Method	Detection Limit		
03600	Additional Compounds by 524.2					
03599	Ethyl Ether	60-29-7	N.D.	0.2	ug/l	1
03608	Acetone	67-64-1	N.D.	3.0	ug/l	1
03609	Methyl Iodide	74-88-4	N.D.	0.1	ug/l	1
03610	Carbon Disulfide	75-15-0	N.D.	0.4	ug/l	1
03611	Allyl Chloride	107-05-1	N.D.	0.1	ug/l	1
03612	Acrylonitrile	107-13-1	N.D.	2.0	ug/l	1
03613	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	ug/l	1
03614	2-Butanone	78-93-3	N.D.	2.0	ug/l	1
03616	Methyl Acrylate	96-33-3	N.D.	0.5	ug/l	1
03617	Methacrylonitrile	126-98-7	N.D.	1.0	ug/l	1
03621	Tetrahydrofuran	109-99-9	N.D.	2.0	ug/l	1
03622	1-Chlorobutane	109-69-3	N.D.	0.2	ug/l	1
03623	Methyl Methacrylate	80-62-6	N.D.	0.2	ug/l	1
03627	4-Methyl-2-pentanone	108-10-1	N.D.	0.6	ug/l	1
03628	Ethyl Methacrylate	97-63-2	N.D.	0.1	ug/l	1
03629	2-Hexanone	591-78-6	N.D.	0.6	ug/l	1
03630	trans-1,4-Dichloro-2-butene	110-57-6	N.D.	1.0	ug/l	1
03633	Pentachloroethane	76-01-7	N.D.	0.1	ug/l	1
03634	Hexachloroethane	67-72-1	N.D.	0.1	ug/l	1
03643	EPA Method 524.2					
00328	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	ug/l	1
00498	Dichlorodifluoromethane	75-71-8	N.D.	0.2	ug/l	1
00503	2,2-Dichloropropane	594-20-7	N.D.	0.2	ug/l	1
00891	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	ug/l	1
00892	Bromochloromethane	74-97-5	N.D.	0.1	ug/l	1
00978	1,1-Dichloropropene	563-58-6	N.D.	0.1	ug/l	1
00979	Dibromomethane	74-95-3	N.D.	0.1	ug/l	1
00980	1,3-Dichloropropene	142-28-9	N.D.	0.1	ug/l	1
00981	1,2-Dibromoethane	106-93-4	N.D.	0.1	ug/l	1
00983	m+p-Xylene	1330-20-7	N.D.	0.2	ug/l	1
00985	o-Xylene	95-47-6	N.D.	0.1	ug/l	1
00986	Isopropylbenzene	98-82-8	N.D.	0.1	ug/l	1
00987	Bromobenzene	108-86-1	N.D.	0.1	ug/l	1
00988	1,2,3-Trichloropropene	96-18-4	N.D.	0.2	ug/l	1
00989	n-Propylbenzene	103-65-1	N.D.	0.1	ug/l	1



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Lancaster Laboratories Sample No. WW5417647

Group No. 1101118

TB-01-071708 Water

LIMS#

COC: 184102 TB01-071708

Collected: n.a.

Account Number: 04285

Submitted: 07/17/2008 12:20

Reported: 07/28/2008 at 14:19

Discard: 08/12/2008

Ciba Specialty Chemicals Corp
 Oak Ridge Parkway
 Bldg 743
 Toms River NJ 08753

TB1RV

CAT No.	Analysis Name	CAS Number	As Received		Dilution Factor
			Result	Method Detection Limit	
00990	2-Chlorotoluene	95-49-8	N.D.	0.1	ug/l 1
00991	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	ug/l 1
00992	4-Chlorotoluene	106-43-4	N.D.	0.2	ug/l 1
00993	tert-Butylbenzene	98-06-6	N.D.	0.1	ug/l 1
00994	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	ug/l 1
00995	sec-Butylbenzene	135-98-8	N.D.	0.1	ug/l 1
00996	p-Isopropyltoluene	99-87-6	N.D.	0.1	ug/l 1
00997	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	ug/l 1
00998	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	ug/l 1
00999	n-Butylbenzene	104-51-8	N.D.	0.2	ug/l 1
01000	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	ug/l 1
01001	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.4	ug/l 1
01002	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.2	ug/l 1
01003	Hexachlorobutadiene	87-68-3	N.D.	0.2	ug/l 1
01004	Naphthalene	91-20-3	N.D.	0.2	ug/l 1
01005	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.2	ug/l 1
03397	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	ug/l 1
03398	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	ug/l 1
03399	Chloromethane	74-87-3	N.D.	0.2	ug/l 1
03400	Bromomethane	74-83-9	N.D.	0.1	ug/l 1
03401	Vinyl Chloride	75-01-4	N.D.	0.1	ug/l 1
03402	Chloroethane	75-00-3	N.D.	0.2	ug/l 1
03403	Trichlorofluoromethane	75-69-4	N.D.	0.2	ug/l 1
03404	1,1-Dichloroethene	75-35-4	N.D.	0.1	ug/l 1
03405	Methylene Chloride	75-09-2	N.D.	0.3	ug/l 1
03406	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	ug/l 1
03407	1,1-Dichloroethane	75-34-3	N.D.	0.1	ug/l 1
03408	Chloroform	67-66-3	N.D.	0.1	ug/l 1
03409	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	ug/l 1
03410	Carbon Tetrachloride	56-23-5	N.D.	0.1	ug/l 1
03411	Benzene	71-43-2	N.D.	0.1	ug/l 1
03412	1,2-Dichloroethane	107-06-2	N.D.	0.1	ug/l 1
03413	Trichloroethene	79-01-6	N.D.	0.1	ug/l 1
03414	1,2-Dichloropropane	78-87-5	N.D.	0.1	ug/l 1
03415	Bromodichloromethane	75-27-4	N.D.	0.1	ug/l 1
03416	Toluene	108-88-3	N.D.	0.1	ug/l 1
03417	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	ug/l 1
03418	Tetrachloroethene	127-18-4	N.D.	0.1	ug/l 1
03419	Dibromochloromethane	124-48-1	N.D.	0.1	ug/l 1
03420	Chlorobenzene	108-90-7	N.D.	0.1	ug/l 1
03421	Ethylbenzene	100-41-4	N.D.	0.1	ug/l 1



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Lancaster Laboratories Sample No. WW5417647

Group No. 1101118

TB-01-071708 Water

LIMS#

COC: 184102 TB01-071708

Collected: n.a.

Account Number: 04285

Submitted: 07/17/2008 12:20

Reported: 07/28/2008 at 14:19

Discard: 08/12/2008

Ciba Specialty Chemicals Corp
 Oak Ridge Parkway
 Bldg 743
 Toms River NJ 08753

TB1RV

CAT No.	Analysis Name	CAS Number	As Received		Method	Units	Dilution Factor
			Result	Detection Limit			
03422	Styrene	100-42-5	N.D.	0.1	ug/l	1	
03423	Bromoform	75-25-2	N.D.	0.1	ug/l	1	
03424	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	ug/l	1	

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/09

This sample was collected following the protocol specified by each method listed in the laboratory chronicle.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
03600	Additional Compounds by 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 13:56	Ryan V Nolt	1
03643	EPA Method 524.2	EPA 524.2 Rev. 4.1	1	07/25/2008 13:56	Ryan V Nolt	1



Quality Control Summary

Client Name: Ciba Specialty Chemicals Corp
 Reported: 07/28/08 at 02:19 PM

Group Number: 1101118

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: S082071AA			Sample number(s): 5417643-5417647					
1,1,1,2-Tetrachloroethane	N.D.	0.1	ug/l	112		70-130		
Dichlorodifluoromethane	N.D.	0.2	ug/l	82		70-130		
2,2-Dichloropropane	N.D.	0.2	ug/l	97		70-130		
cis-1,2-Dichloroethene	N.D.	0.1	ug/l	105		70-130		
Bromochloromethane	N.D.	0.1	ug/l	117		70-130		
1,1-Dichloropropene	N.D.	0.1	ug/l	96		70-130		
Dibromomethane	N.D.	0.1	ug/l	117		70-130		
1,3-Dichloropropane	N.D.	0.1	ug/l	108		70-130		
1,2-Dibromoethane	N.D.	0.1	ug/l	104		70-130		
m-p-Xylene	N.D.	0.2	ug/l	99		70-130		
o-Xylene	N.D.	0.1	ug/l	97		70-130		
Isopropylbenzene	N.D.	0.1	ug/l	98		70-130		
Bromobenzene	N.D.	0.1	ug/l	97		70-130		
1,2,3-Trichloropropane	N.D.	0.2	ug/l	112		70-130		
n-Propylbenzene	N.D.	0.1	ug/l	96		70-130		
2-Chlorotoluene	N.D.	0.1	ug/l	102		70-130		
1,3,5-Trimethylbenzene	N.D.	0.1	ug/l	98		70-130		
4-Chlorotoluene	N.D.	0.2	ug/l	102		70-130		
tert-Butylbenzene	N.D.	0.1	ug/l	97		70-130		
1,2,4-Trimethylbenzene	N.D.	0.1	ug/l	101		70-130		
sec-Butylbenzene	N.D.	0.1	ug/l	96		70-130		
p-Isopropyltoluene	N.D.	0.1	ug/l	99		70-130		
1,3-Dichlorobenzene	N.D.	0.1	ug/l	99		70-130		
1,4-Dichlorobenzene	N.D.	0.1	ug/l	96		70-130		
n-Butylbenzene	N.D.	0.2	ug/l	103		70-130		
1,2-Dichlorobenzene	N.D.	0.1	ug/l	100		70-130		
1,2-Dibromo-3-chloropropane	N.D.	0.4	ug/l	100		70-130		
1,2,4-Trichlorobenzene	N.D.	0.2	ug/l	90		70-130		
Hexachlorobutadiene	N.D.	0.2	ug/l	80		70-130		
Naphthalene	N.D.	0.2	ug/l	91		70-130		
1,2,3-Trichlorobenzene	N.D.	0.2	ug/l	91		70-130		
trans-1,3-Dichloropropene	N.D.	0.1	ug/l	104		70-130		
cis-1,3-Dichloropropene	N.D.	0.1	ug/l	103		70-130		
Chloromethane	N.D.	0.2	ug/l	101		70-130		
Bromomethane	N.D.	0.1	ug/l	114		70-130		
Vinyl Chloride	N.D.	0.1	ug/l	108		70-130		
Chloroethane	N.D.	0.2	ug/l	108		70-130		
Trichlorofluoromethane	N.D.	0.2	ug/l	89		70-130		
1,1-Dichloroethene	N.D.	0.1	ug/l	101		70-130		
Methylene Chloride	N.D.	0.3	ug/l	109		70-130		
trans-1,2-Dichloroethene	N.D.	0.1	ug/l	103		70-130		
1,1-Dichloroethane	N.D.	0.1	ug/l	105		70-130		
Chloroform	N.D.	0.1	ug/l	111		70-130		
1,1,1-Trichloroethane	N.D.	0.1	ug/l	101		70-130		
Carbon Tetrachloride	N.D.	0.1	ug/l	98		70-130		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Quality Control Summary

Client Name: Ciba Specialty Chemicals Corp
 Reported: 07/28/08 at 02:19 PM

Group Number: 1101118

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Benzene	N.D.	0.1	ug/l	102		70-130		
1, 2-Dichloroethane	N.D.	0.1	ug/l	120		70-130		
Trichloroethene	N.D.	0.1	ug/l	102		70-130		
1, 2-Dichloropropane	N.D.	0.1	ug/l	108		70-130		
Bromodichloromethane	N.D.	0.1	ug/l	113		70-130		
Toluene	N.D.	0.1	ug/l	105		70-130		
1, 1, 2-Trichloroethane	N.D.	0.1	ug/l	114		70-130		
Tetrachloroethene	N.D.	0.1	ug/l	95		70-130		
Dibromochloromethane	N.D.	0.1	ug/l	113		70-130		
Chlorobenzene	N.D.	0.1	ug/l	97		70-130		
Ethylbenzene	N.D.	0.1	ug/l	97		70-130		
Styrene	N.D.	0.1	ug/l	103		70-130		
Bromoform	N.D.	0.1	ug/l	111		70-130		
1, 1, 2, 2-Tetrachloroethane	N.D.	0.1	ug/l	112		70-130		
Ethyl Ether	N.D.	0.2	ug/l	126		70-130		
Acetone	N.D.	3.0	ug/l	115		70-130		
Methyl Iodide	N.D.	0.1	ug/l	95		70-130		
Carbon Disulfide	N.D.	0.4	ug/l	92		70-130		
Allyl Chloride	N.D.	0.1	ug/l	106		70-130		
Acrylonitrile	N.D.	2.0	ug/l	119		70-130		
Methyl Tertiary Butyl Ether	N.D.	0.1	ug/l	104		70-130		
2-Butanone	N.D.	2.0	ug/l	109		70-130		
Methyl Acrylate	N.D.	0.5	ug/l	126		70-130		
Methacrylonitrile	N.D.	1.0	ug/l	106		70-130		
Tetrahydrofuran	N.D.	2.0	ug/l	105		70-130		
1-Chlorobutane	N.D.	0.2	ug/l	117		70-130		
Methyl Methacrylate	N.D.	0.2	ug/l	107		70-130		
4-Methyl-2-pentanone	N.D.	0.6	ug/l	121		70-130		
Ethyl Methacrylate	N.D.	0.1	ug/l	107		70-130		
2-Hexanone	N.D.	0.6	ug/l	116		70-130		
trans-1, 4-Dichloro-2-butene	N.D.	1.0	ug/l	101		70-130		
Pentachloroethane	N.D.	0.1	ug/l	114		70-130		
Hexachloroethane	N.D.	0.1	ug/l	104		70-130		

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EPA Method 524.2
 Batch number: S082071AA
 4-Bromofluorobenzene 1, 2-Dichlorobenzene-d4

5417643	96	90
5417644	98	93
5417645	94	89
5417646	94	90
5417647	91	87
Blank	93	88
LCS	99	103

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Page 3 of 3

Quality Control Summary

Client Name: Ciba Specialty Chemicals Corp
Reported: 07/28/08 at 02:19 PM

Group Number: 1101118

Surrogate Quality Control

Limits: 80-120 80-120

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



Analysis Request/ Environmental Services Chain of Custody

Acct. # 4285 Group# 110118 Sample# 3417643-47

DOC # 8/102

Please print. Instructions on reverse side correspond with circled numbers.

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.